

AMENDMENTS TO THE CLAIMS

Please enter the following amendments without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the claims:

Claim 1 (currently amended): A non-toxic and non-corrosive ignition mixture wherein the mixture comprises

from 5 to 40 weight percent of a nitroester or nitramine explosive,

from 5 to 40 weight percent of tetrazene;

from 5 to 50 weight percent of an oxidizing agent, selected from the group consisting of oxides of copper, zinc, bismuth, iron, manganese, tin, vanadium or molybdenum; peroxides of zinc or calcium; saltpetre; basic nitrates of bismuth, tin or copper; and Cu(NH₃)₂(NO₃)₂;

from 1 to 20 weight percent of amorphous boron as a fuel;

from 5 to 30 weight percent of a friction agent;

wherein said mixture is free of dinol.

Claim 2 (previously presented): The mixture according to claim 1 wherein said explosive is selected from the group consisting of penthrite, hexanitromannite, nitrocellulose, hexogene, octogene, and tetryle.

Claim 3 (currently amended): The mixture according to claim 1 wherein said ~~boron is~~ amorphous boron [[with]] has a specific surface area of 5 to 25 m²/g.

Claim 4 (canceled)

Claim 5 (withdrawn): The mixture according to claim 23 wherein the bonding agent is selected from polyvinyl alcohol and acacia gum.

Claim 6 (canceled)

Claim 7 (previously presented): The mixture according to claim 1 wherein the friction agent is ground glass.

Claims 8-10 (canceled)

Claim 11 (previously presented): The mixture according to claim 2 wherein said explosive is penthrite.

Claim 12 (withdrawn): The mixture according to claim 24 wherein said bonding agent is polyvinyl alcohol, or acacia gum.

Claim 13 (previously presented): The mixture according to claim 24 wherein said bonding agent is nitrocellulose.

Claim 14 (canceled)

Claim 15 (currently amended): The mixture according to claim 2 wherein said ~~boron is~~ amorphous boron [[with]] has a specific surface area of 5 to 25 m²/g.

Claim 16 (previously presented): The mixture according to claim 2 wherein said friction agent is ground glass.

Claim 17 (previously presented): The mixture according to claim 23 wherein said bonding agent is nitrocellulose.

Claim 18 (canceled)

Claim 19 (withdrawn): A primer cap for an ammunition cartridge filled with the mixture of claim 1.

Claim 20 (withdrawn): The primer cap of claim 19 wherein said ammunition cartridge is a central ignition cartridge.

Claim 21 (withdrawn): An ammunition cartridge comprising the primer cap of claim 19.

Claim 22 (withdrawn): An ammunition cartridge comprising the primer cap of claim 20.

Claim 23 (previously presented) The mixture according to claim 1 further comprising from 0.1 to 5 weight percent of a bonding agent.

Claim 24 (previously presented) The mixture according to claim 2 further comprising from 0.1 to 5 weight percent of a bonding agent.